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TO: Examiner Etsub D. Berhanu
 USPTO FACSIMILE No.: 571-273-8300
 USPTO REFERENCE: Applicant: Kiani et al.
 Serial No.: 10/714,526
 Filed: November 14, 2003
 Title: PARAMETER COMPENSATED PHYSIOLOGICAL
 MONITOR
 ATTORNEY: Jarom D. Kesler
 PHONE NO.: 949-721-2923
 ATTORNEY DOCKET NO.: MASIMO.377A
 TOTAL PAGES: 13 (INCLUDING COVER SHEET)
 DOCKETING AGENT:
 DATE: June 21, 2006

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MESSAGE: *Attached for filing in the above-referenced application are:*

- TRANSMITTAL in 1 page
- AMENDMENT in 11 pages

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PAGE 1/13 * RCVD AT 6/21/2006 7:07:31 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-1/10 * DNI:2738300 * CSID:949 760 9502 * DURATION (mm:ss):03:46

Docket No.: MASIMO.377A

JUN 21 2006

Page 1 of 1

Please Direct All Correspondence to Customer Number 20995**AMENDMENT / RESPONSE TRANSMITTAL**

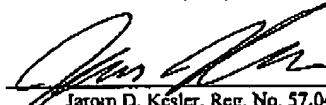
Applicant : Kiani et al.
 App. No : 10/714,526
 Filed : November 14, 2003
 For : PARAMETER COMPENSATED
 PHYSIOLOGICAL MONITOR
 Examiner : Etsub D. Berhanu
 Art Unit : 3735

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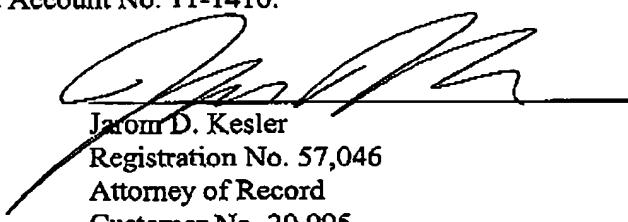

Jarom D. Kesler, Reg. No. 57,046

Mail Stop Amendment
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing in the above-identified application are the following enclosures:

- (X) Amendment in 11 pages.
- (X) Please charge any fees, including any fees for additional extension of time, or credit overpayment to Deposit Account No. 11-1410.


 Jarom D. Kesler
 Registration No. 57,046
 Attorney of Record
 Customer No. 20,995
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PATENT

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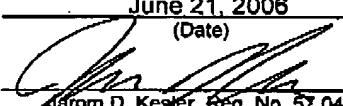
Applicant : Kiani et al.
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PHYSIOLOGICAL MONITOR
Examiner : Etsub D. Berhanu
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Jerome D. Kester, Reg. No. 57,046

AMENDMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims which begins
on page 2 of this paper.

Summary of Telephonic Interview begins on page 9 of this paper.
Remarks/Arguments begin on page 10 of this paper.